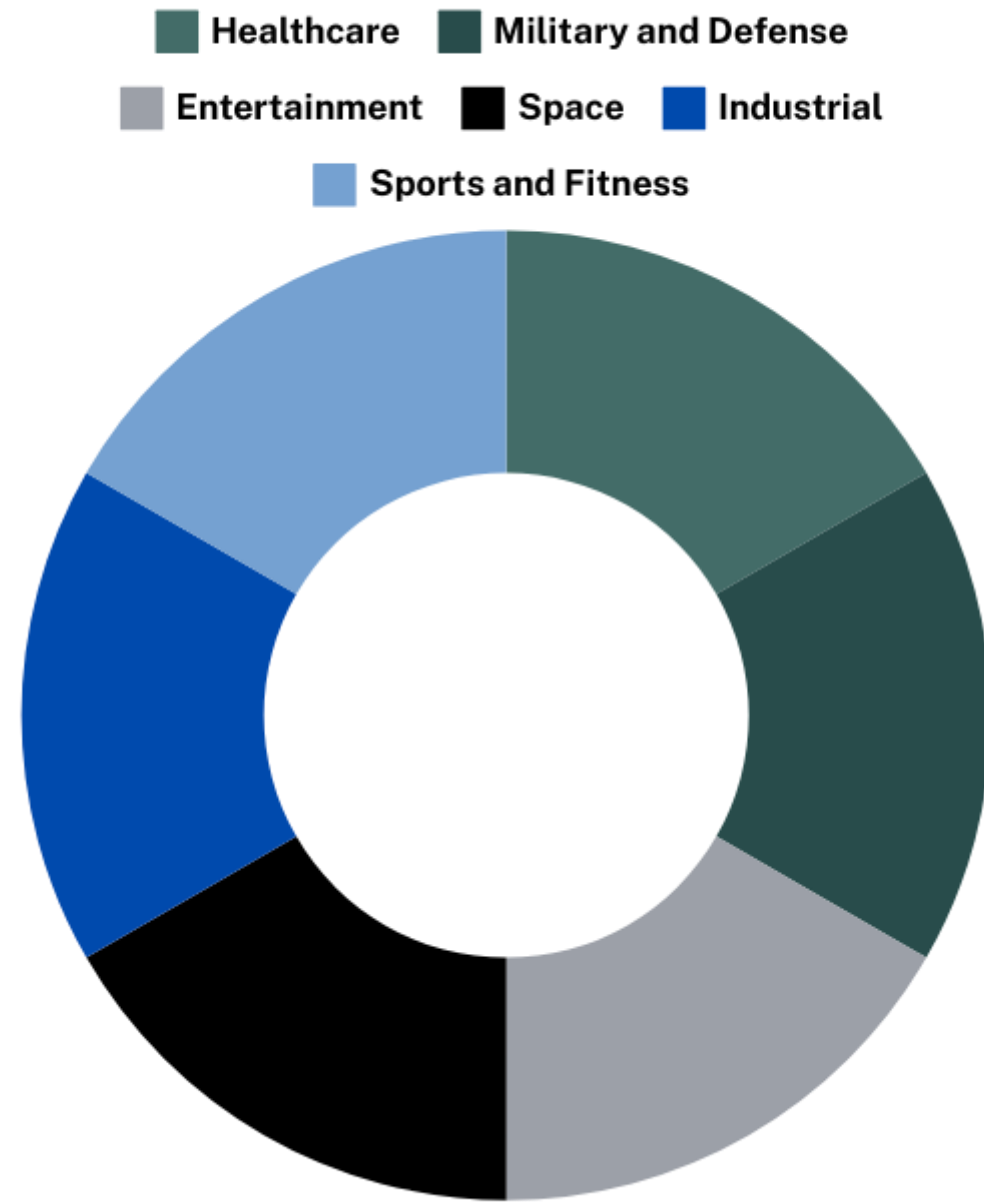


# Smart Clothing Market

The **Smart Clothing Market** is predicted to reach **USD 18.23 billion** with a **CAGR of 23.2%** by 2030.



Market Key Segments - By Application



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# Market Overview

- Smart clothing, also referred to as E-textile, smart textile, or smart fabric, consists of integrated and embedded systems that constantly monitor overall body functions.
- In addition, they consist various sensors such as accelerometer and pulse meter that helps in monitoring the pulse rate, blood pressure, temperature, and muscle stretch. Smart clothes are also embedded with digital circuits, LEDs, solar cells and fiber optics that increases their usability.
- Rising demand for smart cloths from fashion and entertainment industries along with its application in mining industry is expected to propel the market growth during the forecast period.
- Also, demand of smart clothes from construction, transportation and automotive industries are further expected to drive the smart cloth market. Moreover, wide adoption of these clothes in sports and fitness industries are also expected to contribute towards the growth of smart cloths market during the forecast period.
- However, increase in prices of these smart clothes and lack of raw materials are expected to retard the growth of smart clothing market.

# Market Segmentation

## By Type

- Passive Smart Fabrics
- Active Fabrics
- Ultra-smart Fabrics

## By Product

- Shoes
- Shirts
- Pants
- Jackets
- Innerwear
- Others

## By Connectivity

- Wi-Fi
- Bluetooth
- GPSRFID

## By Application

- Healthcare
- Military and Defense
- Entertainment
- Space
- Industrial
- Sports and Fitness



# Regional Analysis

## North America

- The U.S.
- Canada
- Mexico

## Europe

- The UK
- Germany
- France
- Italy
- Spain
- Denmark
- Netherlands
- Finland
- Sweden
- Norway
- Russia

## Asia-Pacific

- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific

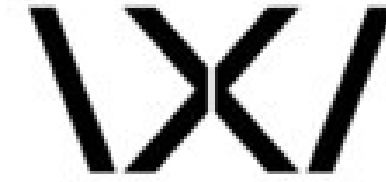
## RoW

- UAE
- Saudi Arabia
- South Africa
- Brazil
- Remaining Countries

# Key Market Players

- AiQ Smart Clothing Inc.
- Wearable Experiments Inc.
- OMsignal
- TORAY INDUSTRIES INC
- Vulpes Electronics GmbH
- Athos
- Carre Technologies inc.
- SENSORIA
- Myontec
- KBS Fashion Group Limited.

**HEXOSKIN™**  
WEARABLE BODY METRICS



**TORAY**  
Innovation by Chemistry

**AiQ®**  
Smart Clothing



 **ATHOS**



 **myontec**

Vulpés

  
**sensoria®**  
HEALTH

**KBS**  
KEEP BEST STYLE

# Key Highlights

- **Wearable Technology Integration** : Smart clothing incorporates sensors and electronics to monitor health metrics, track physical activity, and provide real-time feedback.
- **Health and Fitness Applications** : Increasing consumer focus on health and wellness is driving demand for smart apparel that can track heart rate, sleep patterns, and overall fitness.
- **Fashion and Functionality** : Brands are blending style with technology, creating fashionable smart clothing that appeals to a broader audience while maintaining functionality.
- **Sports and Performance Enhancement** : Athletes and fitness enthusiasts are adopting smart clothing for performance tracking, injury prevention, and recovery monitoring.
- **Market Expansion** : The market is expanding across various segments, including athleisure, casual wear, and specialized sports apparel.
- **Consumer Awareness** : Increasing awareness of the benefits of smart clothing, such as improved health monitoring and enhanced comfort, is driving adoption.

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